

Resource Report 5- Socioeconomics

Table 5.2-1

**Existing Socioeconomic Conditions in the Project Area
AES Sparrows Point Project**

Area	Population	Population Density (people per square mile)*	Per Capita Personal Income	Rental Vacancy Rate (%)	Civilian Labor Force	Unemployment Rate (%)	Poverty Rate (%)	Major Industry
Baltimore County, MD	754,292	1260.1	\$26,167	5.7	396,226	4.20	6.5	Educational, Health, and Social Services
Harford County, MD	218,590	496.4	\$24,232	5.5	115,314	2.15	4.9	Educational, Health, and Social Services
Cecil County, MD	85,951	247	\$21,384	6.8	44,787	2.83	7.2	Educational, Health, and Social Services
Lancaster County, PA	470,658	495.9	\$20,398	4.9	243,015	2.00	7.6	Manufacturing
Chester County, PA	433,501	573.4	\$31,627	4.8	229,631	2.50	5.2	Educational, Health, and Social Services
State of MD	5,296,486	541.9	\$25,614	6.1	2,737,359	3.20	8.5	Educational, Health, and Social Services
State of PA	12,281,054	274	\$20,880	7.2	5,992,886	3.50	11	Educational, Health, and Social Services
U.S.	296,410,404	79.6	\$21,587	6.8	137,668,798	3.70	12.4	Educational, Health, and Social Services

NOTES:

1. All data compiled from the U.S. Census Bureau (http://factfinder.census.gov/home/saff/main.html?_lang=en), except data denoted by *
2. Data are limited to the household population and exclude the population living in institutions, college dormitories, and other group quarters
3. Data are based on a sample and are subject to sampling variability
4. * Data compiled from (<http://www.fedstats.gov/>)

Resource Report 5- Socioeconomics
Table 5.2-2
Local Economy/Workforce Composition
AES Sparrows Point Project

Area	Total for all Industries	Construction	Manufacturing	Retail Trade	Finance, insurance, real estate, and rental and leasing	Professional, scientific, management, administrative, and waste management services	Education, health, and social services	Public Administration
Baltimore County, MD	379,705	22,494 / 5.9%	34,029 / 9.0%	42,862 / 11.3%	36,030 / 9.5%	40,049 / 10.5%	87,102 / 22.9%	29,039 / 7.6%
Harford County, MD	111,792	9,325 / 8.3%	12,278 / 11.0%	14,102 / 12.6%	8,027 / 7.2%	10,287 / 9.2%	22,112 / 19.8%	10,039 / 9.0%
Cecil County, MD	42,953	4,491 / 10.5%	6,793 / 15.8%	5,053 / 11.8%	3,099 / 7.2%	3,163 / 7.4%	7,578 / 17.6%	2,435 / 5.7%
Lancaster County, PA	235,686	18,242 / 7.7%	53,028 / 22.5%	30,563 / 13.0%	10,432 / 4.4%	15,674 / 6.7%	42,794 / 18.2%	4,751 / 2.0%
Chester County, PA	221,255	12,345 / 5.6%	32,810 / 14.8%	24,769 / 11.2%	22,064 / 10.0%	30,589 / 13.8%	43,715 / 19.8%	5,025 / 2.3%
State of MD	2,608,457	181,280 / 6.9%	189,327 / 7.3%	273,339 / 10.5%	186,159 / 7.1%	323,834 / 12.4%	538,350 / 20.3%	273,959 / 10.5%
State of PA	5,653,500	339,363 / 6.0%	906,398 / 16.0%	684,179 / 12.1%	372,148 / 6.6%	478,937 / 8.5%	1,237,090 / 21.9%	235,767 / 4.2%
U.S.	129,721,512	8,801,507 / 6.8%	18,286,005 / 14.1%	15,221,716 / 11.7%	8,934,972 / 6.9%	12,061,865 / 9.3%	25,843,029 / 19.9%	6,212,015 / 4.8%

NOTES:

1. All data compiled from the U.S. Census Bureau, Census 2000 (http://factfinder.census.gov/home/saff/main.html?_lang=en)
2. Numbers represent employed civilian population, 16 years and older in the respective industry classification.
3. Percent values depicts percentage of employed civilian population employed in the respective industry classification for the county listed.

Resource Report 5- Socioeconomics

Table 5.2-3

Local Revenues and Sources of Funding (in Thousands of Dollars) - 1997

AES Sparrows Point Project

Area	Total Revenue	General Revenue	Intergovernmental Revenue from Federal Government	Intergovernmental Revenue from State Government	Total Taxes	Property Taxes	General Sales and Gross Receipts Taxes	General Current Charges	Interest Revenue	Other General Revenue	Utility and Liquor Store and Insurance Trust Revenue
Baltimore County, MD	1,936,332	1,526,612	47,182	346,769	870,029	476,519	38,954	170,441	55,476	36,715	409,720
Harford County, MD	409,569	400,689	3,773	130,530	206,666	127,521	430	46,730	7,590	5,400	8,880
Cecil County, MD	157,759	154,332	4,083	56,589	71,559	46,580	239	16,999	3,302	1,800	3,427
Lancaster County, PA	937,950	867,940	10,331	266,338	395,614	307,365	3,776	139,204	34,875	21,578	70,010
Chester County, PA	944,224	985,176	2,029	225,444	491,493	400,494	4,606	106,623	47,190	22,397	49,048
State of MD	14,303,664	12,632,015	721,433	3,474,149	6,206,546	3,608,286	223,005	1,445,795	435,124	348,968	1,671,649
State of PA	33,228,951	30,375,878	1,721,564	10,197,476	12,502,270	8,805,983	295,127	3,638,990	1,560,022	755,556	2,853,073
U.S.	847,769,879	747,030,290	28,767,625	258,235,194	284,397,653	208,524,416	45,307,452	118,380,881	30,932,396	26,316,541	100,739,589

NOTES:

Data compiled from U.S. Census Bureau(<http://harvester.census.gov/finance/asp/county.asp?county=00003>)

Total Revenue: This category comprises intergovernmental revenue, total taxes, interest revenue, general current charges, other general revenues, and utility, liquor store and insurance trust revenues.

General Revenue: This category comprises all revenue except that classified as liquor store, utility or insurance trust revenue.

Intergovernmental Revenue from State Government: This category comprises monies from other governments, including grants, shared taxes, and contingent loans and advances for support of particular functions or for general financial support; any significant and identifiable amounts received as reimbursement for performance of governmental services for other governments; and any other form of revenue representing the sharing by other governments in the financing of activities administered by the receiving government. All intergovernmental revenue is reported in the general government sector, even if it is used to support activities in other sectors (such as utilities).

Total Taxes: This category comprises amounts received (including interest and penalties) from taxes (1) imposed by a government and collected by that government or (2) collected on its behalf by another government serving as its agent.

Property Tax: This category comprises taxes imposed on ownership of property and measured by its value.

Sales and Gross Receipts Taxes: This category comprises taxes on goods and services measured on the basis of the volume or value of their transfer, upon gross receipts or gross income from, or as an amount per unit sold (gallon, package, etc.); and related taxes based upon use, storage, production, importation, or consumption of goods and services. Includes licenses levied at more than minor rates.

General Current Charges: This category comprises charges imposed for providing current services or for the sale of products in connection with general government activities.

Interest Revenue: This category comprises amounts received from interest on all interest-bearing deposits and accounts; accrued interest on investment securities sold; interest on funds held for construction; and interest related to public debt for private purposes.

Other General Revenue: This category comprises all other general revenue of governments from their own sources (i.e., other than liquor store, utility, and insurance trust revenue).

Utility, Liquor Store, and Insurance Trust Revenue: 1. Utility revenue comprises receipts from sales and directly related services and by-products of the four types of state and local government utilities recognized by the Census Bureau: water supply, electric supply, gas supply, and public mass transit systems. 2. Liquor store revenue comprises only receipts from sales and associated services or products of liquor stores owned and operated by state and local governments. 3. Insurance trust revenue consists of contributions distinctively imposed for the support of public employee retirement and social insurance systems plus net earnings on their investment assets.

Resource Report 5- Socioeconomics**TABLE 5.3-1****Temporary Construction Employment Positions¹****AES Sparrows Point Project**

Project	Number of Positions	Duration (years)	Low Salary Range	High Salary Range	Annual² Payroll (million)	Direct Effect Multiplier³ (million, annually)
LNG Terminal	325	3			\$18.4	\$36.8
LNG Pipeline	200	1	\$25,000	\$150,000	\$11.3	\$22.6
Power Plant	180	1.67			\$18	\$36
Dredged Material Recycling Facility	41	2	\$28,000	\$75,000	\$2.01	\$4.02

NOTES:

1 Tempory construction employment positions are those jobs generated during the construction period. The data have been estimated based on similar projects. Annual payroll is estimated based on average number of employees per year, estimated staff profile, and range of salary values for the range of staff positions.

2 Direct effect earnings multiplier of 2.0 used to estimate annual economic impact of construction of the Project to the local communities. This figure has been conservatively derrived from the the Economic Impact Analysis of the Dominion Resources' Cove Point LNG project (2004), a similar energy infrastructure project located in Calvert County, Maryland.

Resource Report 5- Socioeconomics

Table 5.3-2

Housing and Infrastructure - FY2000

AES Sparrows Point Project

Area	Number of Vacant Housing Units ¹	Number of Vacant Housing Units for Seasonal, Recreational, or Occasional Use ²	Number of Renter-Occupied Housing Units ¹
Baltimore County, MD	13,857	1,212	97,298
Harford County, MD	3,479	299	17,519
Cecil County, MD	3,238	1,410	7,819
Lancaster County, PA	7,430	808	50,352
Chester County, PA	5,868	571	37,477
State of MD	164,424	38,880	639,108
State of PA	472,747	148,230	1,370,666
U.S.	10,424,540	3,578,718	35,664,348

NOTES:

Data compiled from the U.S. Census Bureau, Census 2000 (http://factfinder.census.gov/home/saff/main.html?_lang=en)

1. Vacant Housing Unit: According to the U.S. Census Bureau, a housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by people who have a usual residence elsewhere are also classified as vacant. A housing unit may be a house, apartment, mobile home, group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live separately from any other individuals in the building and which have direct access from outside the building or through a common hall.

2. Seasonal, Recreational, or Occasional Use Housing Unit: According to the U.S. Census Bureau, seasonal, recreational, or occasional use housing units include vacant units used or intended for use only in certain seasons, for weekends, or other occasional use throughout the year. Interval ownership units, sometimes called shared ownership or time-sharing condominiums, are included in this category.

Resource Report 5- Socioeconomics

Table 5.3-3

Permanent Employment Positions (Operation)

AES Sparrows Point Project

Project	Project Cost (million)	Number of New Positions	Low Salary Range	High Salary Range	Annual Payroll	Direct Effect Multiplier ³ (million, annually)
LNG Terminal	\$400	41	\$28,000	\$150,000	\$3,500,000	\$35
LNG Pipeline	\$250	9	\$30,000	\$100,000	\$455,000	\$4.55
Power Plant	\$165	16	\$30,000	\$150,000	\$1,500,000	\$15
Dredged Material Recycling Facility ^{1,2}	\$120	9	\$28,000	\$75,000	\$411,000	\$4.11

NOTES:

1 The staffing plan for the Dredged Material Recycling Facility is phased over 4 years; 41 full-time positions during the first two years, 23 during years 3 and 4. Approximately 9 full-time employees would be needed to manage regular operations of the facility for the remainder of the facility's operational lifecycle. Annual payroll is estimated based on average number of employees per year, estimated staff profile, and range of salary values for the range of staff positions.

2 The DMRF Project cost of \$120MM is included in the LNG Terminal Project cost of \$400MM.

3 Direct effect earnings multiplier of 10.0 used to estimate annual economic impact of operation of the Project to the local communities. This figure has been conservatively derived from the the Economic Impact Analysis of the Dominion Resources' Cove Point LNG project (2004), a similar energy infrastructure project located in Calvert County, Maryland..

Resource Report 5- Socioeconomics

Table 5.4-1

Population Composition

AES Sparrows Point Project

Area	Individuals Under 18 Years Old (percent)	Individuals 65 Years Old and Older (percent)	White Individuals (percent) ^(a)	Black or African American Individuals (percent) ^(a)	American Indian and Alaska Native Individuals (percent) ^(a)	Asian Individuals (percent) ^(a)	Native Hawaiian and Other Pacific Islander Individuals (percent) ^(a)	Individuals Reporting Some Other Race (percent)	Individuals Reporting Two or More Races (percent)	Individuals of Hispanic or Latino Origin (percent) ^(b)	Minority Population (percent)
Baltimore County, MD	23.2 [†]	14.6	74.4	20.1	0.3	3.2	0.0*	0.6	1.4	1.8	25.6
Harford County, MD	26.3 [†]	10.1	75.1	9.3	0.2	1.5	0.1	0.7	1.5	1.9	24.9
Cecil County, MD	25.7 [†]	10.5	93.4	3.9	0.3	0.7	0.0*	0.5	1.2	1.5	6.6
Lancaster County, PA	25.8 [†]	14	91.5	2.8	0.1	1.4	0.0*	2.9	1.3	5.7	8.5
Chester County, PA	24.9 [†]	11.7	89.2	6.2	0.1	2	0.0*	1.3	1.1	3.7	10.8
State of MD	25.1 [†]	11.3	64.0	27.9	0.3	4.0	0.0*	1.8	2.0	4.3	36.0
State of PA	22.9 [†]	15.6	85.4	10.0	0.1	1.8	0.0*	1.5	1.2	3.2	14.6
U.S.	25.0 [†]	12.4	75.1	12.3	0.9	3.6	0.1	5.5	2.4	12.5	24.9

NOTES:

All data compiled from the U.S. Census Bureau, Census 2000 (http://factfinder.census.gov/home/saff/main.html?_lang=en), except data denoted by †

† Denotes a 2004 U.S. Census estimated value, compiled from (<http://quickfacts.census.gov/qfd/index>) . See <http://www.census.gov/popest/estimates.php> for estimate methodologies

* Value greater than zero but less than half unit of measure shown

(a) Includes persons reporting only one race

(b) Hispanics may be out of any race, so also are included in applicable race categories

Resource Report 5- Socioeconomics

Table 5.4-2

Project Construction and Operation Estimated Tax Revenue

AES Sparrows Point Project

Project	Construction				Operations ³			
	Sales Tax (million)	Income Tax ¹ (million)	Property Tax ¹ (million)	Construction Total Revenues (million)	Sales Tax (million)	Income Tax (million)	Property Tax ⁴ (million)	Operations Total Revenues (million)
Terminal & Pipeline								
Maryland	\$2.0	\$0	\$0	\$2.0	\$0.1	\$6.0	\$7.0	\$13.1
Pennsylvania ²	\$0	\$0	\$0	\$0	\$0.02	\$1.0	\$0	\$1.02
Total	\$2.0	\$0	\$0	\$2.0	\$0.12	\$7.0	\$7.0	\$14.12
Power Plant								
Maryland	\$1.5	\$0	\$0	\$1.5	\$0.1	\$0.5	\$2.6	\$3.2
Pennsylvania ²	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1.5	\$0	\$0	\$1.5	\$0.1	\$0.5	\$2.6	\$3.2
Combined Totals								
Maryland	\$3.5	\$0	\$0	\$3.5	\$0.2	\$6.5	\$9.6	\$16.3
Pennsylvania ²	\$0	\$0	\$0	\$0	\$0.02	\$1.0	\$0	\$1.02
Total	\$3.5	\$0	\$0	\$3.5	\$0.22	\$7.5	\$9.6	\$17.32

NOTES:

1. No income tax revenue or property tax revenue associated with facility construction activities in Maryland and Pennsylvania.
2. No Pennsylvania state sales tax revenue associated with construction activities.
3. Projected average value per year for expected lifecycle of the facilities (at least 30 years).
4. Projected net property tax revenue associated with Project operations in Maryland includes tax credits for operational years 1 through 10.